

NON TANK PRESSURIZING FAST FILL RECEIVER AND SYSTEM FOR  
VEHICLES

ABSTRACT OF THE DISCLOSURE

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A refueling system for vehicles including a dual valve receiver connected in fluid communication with the fuel tank, and a jet sensor inside of the fuel tank and in fluid communication with the receiver. The refueling system further includes a relief valve vent in fluid communication with the fuel tank to vent the fuel tank and to relieve pressure that may otherwise build up inside the fuel tank during refueling. When refueling with an automatic shutoff nozzle, the sensor detects when a desired fuel level has been reached, and then informs the receiver to prevent fuel flow into the tank. When this occurs, the pressure inside the receiver and automatic shutoff nozzle increases, causing the nozzle to shut off automatically.